

IAP9 Rec'd PCT/PTO 23 FEB 2006

## SEQUENCE LISTING

<110> Akashi, Akira  
Hasegawa, Susumu  
Takata, Kazutaka

<120> NOVEL MICROORGANISM AND PROCESS FOR TREATMENT OF ORGANIC SOLID MATTER  
USING THE MICROORGANISM

<130> 4605-060308

<140> PCT/JP2003/011008

<141> 2003-08-29

<150> JP 2003-209106

<151> 2003-08-27

<160> 6

<170> MicrosoftWord 2003

<210> 1

<211> 1495

<212> DNA

<213> Geobacillus sp. SPT4

<220>

<400> 1

gaacgctggc	ggcgtgccta	atacatgcaa	gtcgagcgga	ccggacagga	gcttgctctt	60
gttcggttag	cggcggacgg	gtgagtaaca	cgtgggcaac	ctacccgtaa	gaccgggata	120
actccgggaa	accggagcta	ataccggata	acaccgaaga	ccgcatggtc	ttcggttgaa	180
aggcggtttt	ggctgtcact	tacggatggg	cccgcggcgc	attagctagt	tggtgaggta	240
acggctcacc	aaggcgacga	tgcgtagccg	gcctgagagg	gtgaccggcc	acactgggac	300
tgagacacgg	cccagactcc	tacgggaggg	agcagtaggg	aatcttccgc	aatggacgaa	360
agtctgacgg	agcgacggcg	cgtgagcgaa	gaaggctctc	ggatcgtaaa	gctctgttgt	420
tagggaaagaa	gaagtaccgt	tcgaataggg	cggtacgggtg	acggtaccta	acgagaaaagc	480
cccggctaac	tacgtgccag	cagccgcggt	aatacgtagg	ggcgagcggt	gtccggaatt	540
attgggcgta	aagcgcgcgc	aggcggtccc	ttaagtctga	tgtgaaagcc	cacggctcaa	600
ccgtggaggg	tcattggaaa	ctgggggact	tgagtgcaga	agaggagagc	ggaattccac	660
gtgtagcgg	gaaatgcgta	gagatgtgga	ggaacaccag	tggcgaaggc	ggctctctgg	720
tctgtaactg	acgctgaggg	gcgaaagcgt	ggggagcaaa	caggattaga	taccttggtg	780
gtccacgccc	taaacgatga	gtgctaagtg	ttagaggggt	caaacccttt	agtgtgcag	840
ctaacgcggt	aagcactccg	cctggggagt	acggccgcaa	ggctgaaact	caaaggaatt	900
gacggggggc	cgcacaagcg	gtggagcatg	tggtttaatt	cgaagcaacg	cgaagaacct	960
taccaggtct	tgacatcccc	tgacaaccct	agagataggg	cggtccccct	tcgggggggac	1020
agggtgacag	gtggtgcatg	gttgtcgtca	gctcgtgtcg	tgagatgttg	ggttaagtcc	1080
cgcaacgagc	gcaacccctc	accttagttg	ccagcattca	gttgggcact	ctaaggtgac	1140
tgccgatgac	aaatcggagg	aaggtgggga	tgacgtcaaa	tcacatgccc	ccttatgacc	1200
tgggctacac	acgtgctaca	atgggcggta	caaagggctg	cgaaccgcgc	agggggagcg	1260
aatcccaaaa	agccgctctc	agttcggatt	gcaggctgca	actgcctgc	atgaagccgg	1320
aatcgctagt	aatcgcggat	cagcatgccg	cggtgaatac	gttcccgggc	cttgtaacac	1380
ccgcccgtca	caccacgaga	gcttgcaaca	cccgaagtcg	gtgaggtaac	cctttcggga	1440
gccagccggc	gaaggtgggg	caagtgattg	gggtgaagtc	gtaacagggt	agcca	1495

<210> 2

<211> 1498

<212> DNA

<213> *Geobacillus* sp. SPT5

<220>

<400> 2

agaacgctgg	cggcgtgcct	aatacatgca	agtcgagcgg	actgaatggg	agcttgctct	60
tgttcggta	gcggcggacg	ggtgagtaac	acgtgggcaa	cctgcccgcg	agaccgggat	120
aactccggga	aaccggagct	aataccggat	aacaccgaag	accgcatggt	ctttggttga	180
aaggcggcgc	aagctgccac	ttgcggatgg	gcccgcggcg	cattagctag	ttggtgaggt	240
aacggctcac	caaggcgacg	atgcgtagcc	ggcctgagag	ggtgaccggc	cacactggga	300
ctgagacacg	gcccagactc	ctacgggagg	cagcagtagg	gaatcttccg	caatgggcga	360
aagcctgacg	gagcgacgcc	gcgtgagcga	agaaggcctt	cgggtcgtaa	agctctgttg	420
tgagggacga	aggagcgccg	tttgaagaag	gcggcgcggg	gacggtacct	cacgaggaag	480
ccccggctaa	ctacgtgcca	gcagccgcgg	taatacgtag	gggcgagcgt	tgtccggaat	540
tattgggcgt	aaagcgcgcg	caggcgggtc	cttaagtctg	atgtgaaagc	ccacggctca	600
accgtggagg	gtcattggaa	actgggggac	ttgagtgcag	gagaggagag	cggaattcca	660
cgtgtagcgt	tgaatgcgtg	agagatgtgg	aggaacacca	gtggcgaagg	cggctctctg	720
gcctgcaact	gacgctgagg	cgcgaaagcg	tggggagcaa	acaggattag	ataccctggt	780
agtccacgcc	gtaaacgatg	agtgctaagt	gttagagggg	tcacaccctt	tagtgctgca	840
gctaacgcga	taagcactcc	gcctggggag	tacggccgca	aggctgaaac	tcaaaggaat	900
tgacgggggc	ccgcacaagc	ggtggagcat	gtggtttaat	tcgaagcaac	gcgaagaacc	960
ttaccaggtc	ttgacatccc	ctgacaaccc	aagagattgg	gcgttcccc	ttcgggggga	1020
cagggtgaca	ggtggtgcat	ggttgctcgt	agctcgtgtc	gtgagatgtt	gggttaagtc	1080
ccgcaacgag	cgcaaccctt	cgcctctagt	tgccagcatt	cggttgggca	ctctagaggg	1140
actgccggcg	acaagtcgga	ggaaggtggg	gatgacgtca	aatcatcatg	ccccttatga	1200
cctgggctac	acacgtgcta	caatgggcgg	tacaaagggc	tgcgaacccg	cgagggggag	1260
cgaatcccaa	aaagccgctc	tcagttcgga	ttgcaggctg	caactcgcct	gcatgaagcc	1320
ggaatcgcta	gtaatcgcg	atcagcatgc	cgcggtgaat	acgttcccgg	gccttgtaga	1380
caccgcccgt	cacaccacga	gagcttgcaa	cacccgaagt	cggtagggca	acccgtttcg	1440
ggagccagcc	gccgaagggtg	gggcaagtga	ttggggtgaa	gtcgtaacag	ggtagcca	1498

<210> 3

<211> 1495

<212> DNA

<213> *Geobacillus* sp. SPT6

<220>

<400> 3

gaacgctggc	ggcgtgccta	atacatgcaa	gtcagcggga	ccggacagga	gcttgctctt	60
gttcggttag	cggcggacgg	gtgagtaaca	cgtgggcaac	ctacccgtaa	gaccgggata	120
actccgggaa	accggagcta	ataccggata	acaccgaaga	ccgcatgggt	ttcggttgaa	180
aggcggcttt	ggctgtcact	tacggatggg	cccgcggcgc	attagctagt	tggtgaggta	240
acggctcacc	aaggcgacga	tgcgtagccg	gcctgagagg	gtgaccggcc	acactgggac	300
tgagacacgg	cccagactcc	tacgggaggc	agcagtaggg	aatcttccgc	aatggacgaa	360
agtctgacgg	agcgacgccg	cgtgagcgaa	gaaggtcttc	ggatcgtaaa	gctctgttgt	420
tagggaagaa	gaagtaccgt	tcgaataggg	cggtagcgtg	acggtaccta	acgagaaagc	480
cccggtctaa	tacgtgccag	cagccgcggg	aatacgtagg	ggcgagcgtt	gtccggaatt	540
attgggcgta	aagcgcgcgc	aggcgggtcc	ttaagtctga	tgtgaaagcc	cacggctcaa	600
ccgtggaggg	tcattggaaa	ctgggggact	tgagtgcaga	agaggagagc	ggaattccac	660
gtgtagcggg	gaaatgcgta	gagatgtgga	ggaacaccag	tggcgaaggc	ggctctctgg	720
tctgtaactg	acgctgaggc	gcgaaagcgt	ggggagcaaa	caggattaga	taccctggta	780
gtccacgccg	taaactagta	gtgctaagtg	ttagaggggt	caaacccttt	agtgctgcag	840
ctaacgcggt	aagcactccg	cctggggagt	acggccgcaa	ggctgaaact	caaaggaatt	900
gacgggggcc	cgcacaagcg	gtggagcatg	tggttttaatt	cgaagcaacg	cgaagaacct	960
taccaggtct	tgacatcccc	tgacaacctt	agagataggg	cgttccccct	tcggggggac	1020

aggggtgacag	gtgggtgcatg	gttgctgctca	gctcgtgtcgc	tgagatgttg	ggttaagtcc	1080
cgcaacgagc	gcaaccctcg	accttagttg	ccagcattca	gttgggcact	ctaaggtgac	1140
tgccgatgac	aaatcgagg	aaggtgggga	tgacgtcaaa	tcatcatgcc	ccttatgacc	1200
tgggctacac	acgtgctaca	atgggcggta	caaagggctg	cgaacccgcg	agggggagcg	1260
aatcccaaaa	agccgctctc	agttcggatt	gcaggctgca	actcgcctgc	atgaagccgg	1320
aatcgctagt	aatcgcggat	cagcatgccg	cggtgaatac	gttcccgggc	cttgtagaca	1380
ccgcccgtca	caccacgaga	gcttgcaaca	cccgaagtcg	gtgaggtaac	cctttcggga	1440
gccagccgcc	gaaggtgggg	caagtgattg	gggtgaagtc	gtaacagggt	agcca	1495

<210> 4

<211> 1498

<212> DNA

<213> Geobacillus sp. SPT7

<220>

<221> misc\_feature

<222> (721) (780)

<223> n= nucleotide that cannot be defined otherwise

<220>

<221> misc\_feature

<222> (1081) (1140)

<223> n= nucleotide that cannot be defined otherwise

<220>

<221> misc\_feature

<222> (1381) (1440)

<223> n= nucleotide that cannot be defined otherwise

<400> 4

gagaacgctg	gcgggcgtgcc	taatacatgc	aagtcgagcg	gaccaaatacg	gagcttgctc	60
tgatttggtc	agcggcggac	gggtgagtaa	cacgtgggca	acctgcccgc	aagaccggga	120
taactccggg	aaaccggagc	taataccgga	taacaccgaa	gaccgcatgg	tctttggttg	180
aaaggcgccc	tttggtctgc	acttgcggtg	gggcccgcgc	cgcattagct	agttggtgag	240
gtaacggctc	accaaggcga	cgatgcgtag	ccggcctgag	agggtgaccg	gccacactgg	300
gactgagaca	cggcccagac	tcctacggga	ggcagcagta	gggaatcttc	cgcaatgggc	360
gaaagcctga	cggagcgcgc	ccgcgtgagc	gaagaaggcc	ttcgggtcgt	aaagctctgt	420
tgtgagggac	gaaggagcgc	cgttcgaaga	gggcggcgcg	gtgacggtac	ctcacgagga	480
agccccggct	aactacgtgc	cagcagccgc	ggtaatacgt	aggggcgagc	gttgtccgga	540
attattgggc	gtaaagcgcg	cgcaggcggt	tccttaagtc	tgatgtgaaa	gcccacggct	600
caaccgtgga	gggtcattgg	aaactggggg	acttgagtgc	aggagaggag	agcgggaattc	660
cacgtgtagc	ggtgaaatgc	gtagagatgt	ggaggaacac	cagtggcgaa	ggcggctctc	720
tggcctgcaa	ctgacgctga	ggcgcgaaag	cntggggagc	aaacaggatt	agataccctg	780
gtagtccacg	ccgtaaacga	tgagtgctaa	gtgttagagg	ggtcacaccc	tttagtgctg	840
cagctaacgc	gataagcact	ccgcctgggg	agtacggccg	caaggctgaa	actcaaagga	900
attgacgggg	gcccgcacaa	gcggtggagc	atgtggttta	attcgaagca	acgcgaagaa	960
ccttaccagg	tcttgacatc	ccctgacaac	ccaagagatt	gggcgttccc	ccttcggggg	1020
gacagggtga	caggtggtgc	atggttgtcg	tcagctcgtg	tcgtgagatg	ttgggttaag	1080
tcccgcacgc	agcgcacccc	tcgcctctag	ttgccagcac	gaangtgggc	actctagagg	1140
gactgccggc	gacaagtgcg	aggaaggtgg	ggatgacgtc	aaatcatcat	gcccccttatg	1200
acctgggcta	cacacgtgct	acaatgggcg	gtacaaaagg	ctgcgaaccc	gcgaggggga	1260
cggaatccca	aaaagccgct	ctcagttcgc	attgcaggct	gcaactcgcg	tgcatgaagc	1320
cggaatcgct	agtaatcgcg	gatcagcatg	ccgcggtgaa	tacgttcccg	ggccttgtag	1380
acaccgcccg	tcacaccacg	agagcttgca	acaccggaag	tcggtgnggt	aacccttacg	1440
ggagccagcc	gccgaagggt	gggcaagtga	ttgggggtgaa	gtcgtaacag	ggtagcca	1498

<210> 5  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>

<400> 5  
agagtttgat cctgcctcag

20

<210> 6  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>

<400> 6  
ggctaccttg ttacgactt

19